

# SUBJECT INDEX

## Artificial intelligence

- Expert Systems as Construction Management Tools, Issam Minkarah and Irtishad Ahmad, ME Apr. 89 p155-163.

## Automation

- Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

- Operations Management in Engineering Office, Fadi A. Karaa, Ali Touran, Robert L. Meserve and Guillermo Escobar, ME Oct. 89 p400-416.

## Benefit cost analysis

- Information Systems and the Economics of Engineering Services, William E. Berzins, ME Jan. 89 p32-41.

## Benefits

- Information Systems and the Economics of Engineering Services, William E. Berzins, ME Jan. 89 p32-41.

## Business administration

- Road to Successful Sales—A Three-Step Process, Lois E. Boemer, ME Oct. 89 p351-358.

## Careers

- Finding Qualified People in a Tight Labor Market, Bernard H. Schulte, ME Apr. 89 p181-185.

## Case reports

- Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

## Civil engineering

- Negotiating and Drafting the Civil Engineering Contract, Sidney J. Wartel, ME July 89 p272-279.

## Collective bargaining

- Simulation Game for Contract Negotiations, William Dudziak and Chris Hendrickson, ME Apr. 88 p113-121.

## Communication

- Improving Management of Technology, Ernest T. Smerdon, ME Oct. 89 p339-350.

- Road to Successful Sales—A Three-Step Process, Lois E. Boemer, ME Oct. 89 p351-358.

## Communication skills

- Ensuring Your Project Managers' 'Buy-In' to Your Project Management System, Robert L. Costello, ME Jan. 89 p23-31.

- Messages: Clear and Effective, Diane L. Richard and Lin Kroeger, ME Apr. 89 p186-191.

- Training Expatriate Engineering Professionals, J. K. Yates, ME July 89 p257-271.

## Competition

- Improving Management of Technology, Ernest T. Smerdon, ME Oct. 89 p339-350.

- Managing Change in the Midst of Economic Uncertainty, Peggy Morrison, ME Apr. 89 p192-202.

- Technology and Strategic Management in Construction, Karen Lee Hansen and C. B. Tatum, ME Jan. 89 p67-83.

- Training Expatriate Engineering Professionals, J. K. Yates, ME July 89 p257-271.

## Computer applications

- Microcomputer Applications in Simulated CE Project, Yow Thim Lam and Sook Foong Yap, ME July 89 p280-285.

## Computer hardware

- Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

## Computer software

- Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

## Computerization

- Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

## Construction companies

- Managing for Increased Design and Construction Innovation, C. B. Tatum, ME Oct. 89 p385-399.

- Technology and Strategic Management in Construction, Karen Lee Hansen and C. B. Tatum, ME Jan. 89 p67-83.

## Construction industry

- Managing for Increased Design and Construction Innovation, C. B. Tatum, ME Oct. 89 p385-399.

## Construction management

- Expert Systems as Construction Management Tools, Issam Minkarah and Irtishad Ahmad, ME Apr. 89 p155-163.

- Microcomputer Applications in Simulated CE Project, Yow Thim Lam and Sook Foong Yap, ME July 89 p280-285.

- Using Risk Management Techniques to Control Contract Costs, Dennis A. Randolph, Kunwar Rajendra and James J. Campfield, ME Oct. 87 p314-324.

## Construction methods

- Management Challenges of Integrating Construction Methods and Design Approaches, C. B. Tatum, ME Apr. 89 p139-154.

- Using Risk Management Techniques to Control Contract Costs, Dennis A. Randolph, Kunwar Rajendra and James J. Campfield, ME Oct. 87 p314-324.

## **Consultants**

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

## **Consulting engineers**

Coping with the Marketplace: A Management Balancing Act, William E. Norris, ME July 87 p194-200.

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

## **Consulting services**

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

## **Contract administration**

Consultant Costs on Government Contracts, John P. Hribar, ME Jan. 86 p10-16.

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

Using Risk Management Techniques to Control Contract Costs, Dennis A. Randolph, Kunwar Rajendra and James J. Campfield, ME Oct. 87 p314-324.

## **Contract terms**

Negotiating and Drafting the Civil Engineering Contract, Sidney J. Wartel, ME July 89 p272-279.

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

## **Contractors**

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

## **Contracts**

Negotiating and Drafting the Civil Engineering Contract, Sidney J. Wartel, ME July 89 p272-279.

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, David F. Pritchard, ME July 89 p237-248.

Simulation Game for Contract Negotiations, William Dudziak and Chris Hendrickson, ME Apr. 88 p113-121.

## **Cost allocation**

Consultant Costs on Government Contracts, John P. Hribar, ME Jan. 86 p10-16.

## **Cost control**

Coping with the Marketplace: A Management Balancing Act, William E. Norris, ME July 87 p194-200.

## **Cost estimates**

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

## **Costs**

Restructuring Organizations: Alternatives and Costs, Michael C. Ircha and James M. Tolliver, ME Apr. 89 p164-175.

## **Dam safety**

Private Sector Risk Analysis: Applied to Dam Safety, Catalino B. Cecilio, ME10-89 p379-384.

## **Decision making**

Action Versus Planning, C. R. Pennoni, ME Apr. 89 p176-180.

Power, Politics, and Process of Decision Making, Graham K. Kenny and Laura A. Downey, ME Oct. 87 p297-302.

Private Sector Risk Analysis: Applied to Dam Safety, Catalino B. Cecilio, ME10-89 p379-384.

## **Decision makings**

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

## **Design**

Management Challenges of Integrating Construction Methods and Design Approaches, C. B. Tatum, ME Apr. 89 p139-154.

Managing for Increased Design and Construction Innovation, C. B. Tatum, ME Oct. 89 p385-399.

What is an "Ethical" Engineer? Darrow Kirkpatrick, ME Oct. 89 p367-370.

## **Economic analysis**

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

## **Economic conditions**

Managing Change in the Midst of Economic Uncertainty, Peggy Morrison, ME Apr. 89 p192-202.

## **Economics**

Information Systems and the Economics of Engineering Services, William E. Berzins, ME Jan. 89 p32-41.

## **Engineering education**

Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

Finding and Keeping Technical Experts in the 1990s, Betty M. Vetter, ME Jan. 89 p42-52.

Improving Management of Technology, Ernest T. Smerdon, ME Oct. 89 p339-350.

Microcomputer Applications in Simulated CE Project, Yow Thim Lam and Sook Foong Yap, ME July 89 p280-285.

Training Expatriate Engineering Professionals, J. K. Yates, ME July 89 p257-271.

## **Engineering firms**

Business Planning for New Engineering Consulting Firms, S. M. Fenske and T. E. Fenske, ME Jan. 89 p89-95.

Coping with the Marketplace: A Management Balancing Act, William E. Norris, ME July 87 p194-200.

### **Engineering profession**

Finding and Keeping Technical Experts in the 1990s, Betty M. Vetter, ME Jan. 89 p42-52.

Impact of Professional Practice Standards on Liability of Engineers, David J. Hatem, ME July 89 p249-256.

### **Engineering services**

Information Systems and the Economics of Engineering Services, William E. Berzins, ME Jan. 89 p32-41.

### **Engineers**

Our Most Important Resource: People, Henry L. Michel, ME July 89 p223-227.

What is an "Ethical" Engineer? Darrow Kirkpatrick, ME Oct. 89 p367-370.

### **Ethics**

Our Most Important Resource: People, Henry L. Michel, ME July 89 p223-227.

What is an "Ethical" Engineer? Darrow Kirkpatrick, ME Oct. 89 p367-370.

### **Evaluation**

Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

### **Expert systems**

Expert Systems as Construction Management Tools, Issam Minkarah and Irishad Ahmad, ME Apr. 89 p155-163.

### **Feasibility studies**

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

### **Financial analysis**

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

### **Financial management**

Ensuring Your Project Managers 'Buy-In' to Your Project Management System, Robert L. Costello, ME Jan. 89 p23-31.

### **Financing**

Meeting the Challenge: Working Together on Transportation Infrastructure, Henry L. Michel, ME Oct. 89 p359-365.

### **Garages**

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

### **Goals**

Managing to be Profitable in Design Business: A Case Study, Gerald Roenker and Melville Hensley, ME Jan. 89 p53-66.

### **Hiring practices**

Finding Qualified People in a Tight Labor Market, Bernard H. Schulte, ME Apr. 89 p181-185.

### **Information systems**

Information Systems and the Economics of Engineering Services, William E. Berzins, ME Jan. 89 p32-41.

### **Infrastructure**

Meeting the Challenge: Working Together on Transportation Infrastructure, Henry L. Michel, ME Oct. 89 p359-365.

### **Innovation**

Managing for Increased Design and Construction Innovation, C. B. Tatum, ME Oct. 89 p385-399.

Technology and Strategic Management in Construction, Karen Lee Hansen and C. B. Tatum, ME Jan. 89 p67-83.

### **Labor**

Finding Qualified People in a Tight Labor Market, Bernard H. Schulte, ME Apr. 89 p181-185.

### **Leadership**

Improving Management of Technology, Ernest T. Smerdon, ME Oct. 89 p339-350.

Managing to be Profitable in Design Business: A Case Study, Gerald Roenker and Melville Hensley, ME Jan. 89 p53-66.

### **Liability**

Impact of Professional Practice Standards on Liability of Engineers, David J. Hatem, ME July 89 p249-256.

Negotiating and Drafting the Civil Engineering Contract, Sidney J. Wartel, ME July 89 p272-279.

### **Management**

Action Versus Planning, C. R. Pennoni, ME Apr. 89 p176-180.

Automation of Civil Engineers: Some Observations, Richard N. Palmer and Brian W. Mar, ME July 89 p286-300.

Business Planning for New Engineering Consulting Firms, S. M. Fenske and T. E. Fenske, ME Jan. 89 p89-95.

Coping with the Marketplace: A Management Balancing Act, William E. Norris, ME July 87 p194-200.

Improving Management of Technology, Ernest T. Smerdon, ME Oct. 89 p339-350.

Management Challenges of Integrating Construction Methods and Design Approaches, C. B. Tatum, ME Apr. 89 p139-154.

Managing A Branch Office, John H. Robinson, Jr., ME Jan. 89 p15-22.

Managing Change in the Midst of Economic Uncertainty, Peggy Morrison, ME Apr. 89 p192-202.

Managing for Increased Design and Construction Innovation, C. B. Tatum, ME Oct. 89 p385-399.

Managing to be Profitable in Design Business: A Case Study, Gerald Roenker and Melville Hensley, ME Jan. 89 p53-66.

Messages: Clear and Effective, Diane L. Richard and Lin Kroeger, ME Apr. 89 p186-191.

Operations Management in Engineering Office, Fadi A. Karaa, Ali Touran, Robert L. Meserve and Guillermo Escobar, ME Oct. 89 p400-416.

**Organizational Culture: Implications for Management**, William F. Maloney, ME Apr. 89 p125-138.

**Our Most Important Resource: People**, Henry L. Michel, ME July 89 p223-227.

**Productivity Measurement: Untangling White-Collar Web**, Charles R. White and Jeffrey S. Austin, ME Oct. 89 p371-378.

**Restructuring Organizations: Alternatives and Costs**, Michael C. Ircha and James M. Tolliver, ME Apr. 89 p164-175.

**Super Image-Management: Growing Concern for Productivity Decline**, Firdaus E. Udwadia, ME July 89 p228-236.

**Technology and Strategic Management in Construction**, Karen Lee Hansen and C. B. Tatum, ME Jan. 89 p67-83.

#### **Management engineering**

**Motivation and the Developing Engineering Manager**, Donald D. Martin, ME Oct. 86 p246-252.

#### **Management methods**

**Managing A Branch Office**, John H. Robinson, Jr., ME Jan. 89 p15-22.

**Managing Change in the Midst of Economic Uncertainty**, Peggy Morrison, ME Apr. 89 p192-202.

#### **Management systems**

**Ensuring Your Project Managers' 'Buy-In' to Your Project Management System**, Robert L. Costello, ME Jan. 89 p23-31.

**Managing Change in the Midst of Economic Uncertainty**, Peggy Morrison, ME Apr. 89 p192-202.

#### **Management training**

**Training Expatriate Engineering Professionals**, J. K. Yates, ME July 89 p257-271.

#### **Managers**

**Managing for Increased Design and Construction Innovation**, C. B. Tatum, ME Oct. 89 p385-399.

**Super Image-Management: Growing Concern for Productivity Decline**, Firdaus E. Udwadia, ME July 89 p228-236.

#### **Marketing**

**Business Planning for New Engineering Consulting Firms**, S. M. Fenske and T. E. Fenske, ME Jan. 89 p89-95.

**Road to Successful Sales—A Three-Step Process**, Lois E. Boerner, ME Oct. 89 p351-358.

#### **Measuring instruments**

**Productivity Measurement: Untangling White-Collar Web**, Charles R. White and Jeffrey S. Austin, ME Oct. 89 p371-378.

#### **Models**

**Productivity Measurement: Untangling White-Collar Web**, Charles R. White and Jeffrey S. Austin, ME Oct. 89 p371-378.

#### **Motivation**

**Motivation and the Developing Engineering Manager**, Donald D. Martin, ME Oct. 86 p246-252.

#### **Negligence**

**Negotiating and Drafting the Civil Engineering Contract**, Sidney J. Wartel, ME July 89 p272-279.

#### **Negotiations**

**Negotiating and Drafting the Civil Engineering Contract**, Sidney J. Wartel, ME July 89 p272-279.

**Simulation Game for Contract Negotiations**, William Dudziak and Chris Hendrickson, ME Apr. 88 p113-121.

#### **Organization theory**

**Restructuring Organizations: Alternatives and Costs**, Michael C. Ircha and James M. Tolliver, ME Apr. 89 p164-175.

#### **Organizational policy**

**Motivation and the Developing Engineering Manager**, Donald D. Martin, ME Oct. 86 p246-252.

**Power, Politics, and Process of Decision Making**, Graham K. Kenny and Laura A. Downey, ME Oct. 87 p297-302.

#### **Organizations**

**Organizational Culture: Implications for Management**, William F. Maloney, ME Apr. 89 p125-138.

**Super Image-Management: Growing Concern for Productivity Decline**, Firdaus E. Udwadia, ME July 89 p228-236.

#### **Overhead**

**Coping with the Marketplace: A Management Balancing Act**, William E. Norris, ME July 87 p194-200.

#### **Overseas assignments**

**Training Expatriate Engineering Professionals**, J. K. Yates, ME July 89 p257-271.

#### **Parking facilities**

**Pre-design Planning for Parking Facilities**, Donald N. Merino, ME July 89 p301-313.

#### **Performance**

**Managing to be Profitable in Design Business: A Case Study**, Gerald Roenker and Melville Hensey, ME Jan. 89 p53-66.

**Organizational Culture: Implications for Management**, William F. Maloney, ME Apr. 89 p125-138.

#### **Performance evaluation**

**Operations Management in Engineering Office**, Fadi A. Karaa, Ali Touran, Robert L. Meserve and Guillermo Escobar, ME Oct. 89 p400-416.

#### **Personnel development**

**Managing A Branch Office**, John H. Robinson, Jr., ME Jan. 89 p15-22.

## **Personnel management**

Ensuring Your Project Managers' 'Buy-In' to Your Project Management System, Robert L. Costello, ME Jan. 89 p23-31.

Finding Qualified People in a Tight Labor Market, Bernard H. Schulte, ME Apr. 89 p181-185.

Managing A Branch Office, John H. Robinson, Jr., ME Jan. 89 p15-22.

Our Most Important Resource: People, Henry L. Michel, ME July 89 p223-227.

Super Image-Management: Growing Concern for Productivity Decline, Firdaus E. Udwadia, ME July 89 p228-236.

## **Planning**

Action Versus Planning, C. R. Pennoni, ME Apr. 89 p176-180.

Predesign Planning for Parking Facilities, Donald N. Merino, ME July 89 p301-313.

Road to Successful Sales—A Three-Step Process, Lois E. Boemer, ME Oct. 89 p351-358.

## **Political factors**

Power, Politics, and Process of Decision Making, Graham K. Kenny and Laura A. Downey, ME Oct. 87 p297-302.

## **Private sector**

Private Sector Risk Analysis: Applied to Dam Safety, Catalino B. Cecilio, ME10-89 p379-384.

## **Problem solving**

Action Versus Planning, C. R. Pennoni, ME Apr. 89 p176-180.

What is an "Ethical" Engineer? Darrow Kirkpatrick, ME Oct. 89 p367-370.

## **Productivity**

Information Systems and the Economics of Engineering Services, William E. Berzins, ME Jan. 89 p32-41.

Operations Management in Engineering Office, Fadi A. Karaa, Ali Touran, Robert L. Meserve and Guillermo Escobar, ME Oct. 89 p400-416.

Productivity Measurement: Untangling White-Collar Web, Charles R. White and Jeffrey S. Austin, ME Oct. 89 p371-378.

Super Image-Management: Growing Concern for Productivity Decline, Firdaus E. Udwadia, ME July 89 p228-236.

## **Professional advancement**

Ensuring Your Project Managers' 'Buy-In' to Your Project Management System, Robert L. Costello, ME Jan. 89 p23-31.

## **Professional engineering**

Our Most Important Resource: People, Henry L. Michel, ME July 89 p223-227.

## **Professional personnel**

Finding Qualified People in a Tight Labor Market, Bernard H. Schulte, ME Apr. 89 p181-185.

## **Professional practice**

Business Planning for New Engineering Consulting Firms, S. M. Fenske and T. E. Fenske, ME Jan. 89 p89-95.

Impact of Professional Practice Standards on Liability of Engineers, David J. Hatem, ME July 89 p249-256.

Our Most Important Resource: People, Henry L. Michel, ME July 89 p223-227.

What is an "Ethical" Engineer? Darrow Kirkpatrick, ME Oct. 89 p367-370.

## **Profits**

Coping with the Marketplace: A Management Balancing Act, William E. Norris, ME July 87 p194-200.

Managing to be Profitable in Design Business: A Case Study, Gerald Roenker and Melville Hensey, ME Jan. 89 p53-66.

## **Project evaluation**

Intermittent Project Management, Craig C. Roberts, ME Jan. 89 p84-88.

Management Challenges of Integrating Construction Methods and Design Approaches, C. B. Tatum, ME Apr. 89 p139-154.

## **Project management**

Intermittent Project Management, Craig C. Roberts, ME Jan. 89 p84-88.

## **Project managers**

Intermittent Project Management, Craig C. Roberts, ME Jan. 89 p84-88.

## **Project planning**

Management Challenges of Integrating Construction Methods and Design Approaches, C. B. Tatum, ME Apr. 89 p139-154.

## **Public participation**

What is an "Ethical" Engineer? Darrow Kirkpatrick, ME Oct. 89 p367-370.

## **Public safety**

Private Sector Risk Analysis: Applied to Dam Safety, Catalino B. Cecilio, ME10-89 p379-384.

## **Public works**

Meeting the Challenge: Working Together on Transportation Infrastructure, Henry L. Michel, ME Oct. 89 p359-365.

## **Publishing**

Writing Effectively for Professional Journals, Gail Bales Townsend, ME Jan. 88 p60-64.

## **Quality control**

Coping with the Marketplace: A Management Balancing Act, William E. Norris, ME July 87 p194-200.

## **Recruiting**

Finding and Keeping Technical Experts in the 1990s, Betty M. Vetter, ME Jan. 89 p42-52.

**Finding Qualified People in a Tight Labor Market,** Bernard H. Schulte, ME Apr. 89 p181-185.

#### **Resource allocation**

**Operations Management in Engineering Office,** Fadi A. Karaa, Ali Touran, Robert L. Meserve and Guillermo Escobar, ME Oct. 89 p400-416.

#### **Risk analysis**

**Private Sector Risk Analysis: Applied to Dam Safety,** Catalino B. Cecilio, ME10-89 p379-384.

#### **Risk management**

**Using Risk Management Techniques to Control Contract Costs,** Dennis A. Randolph, Kunwar Rajendra and James J. Campfield, ME Oct. 87 p314-324.

#### **Sales management**

**Road to Successful Sales—A Three-Step Process,** Lois E. Boemer, ME Oct. 89 p351-358.

#### **Sensitivity analysis**

**Pre-design Planning for Parking Facilities,** Donald N. Merino, ME July 89 p301-313.

#### **Social communication**

**Training Expatriate Engineering Professionals,** J. K. Yates, ME July 89 p257-271.

#### **Social values**

**Organizational Culture: Implications for Management,** William F. Maloney, ME Apr. 89 p125-138.

**What is an "Ethical" Engineer?** Darrow Kirkpatrick, ME Oct. 89 p367-370.

#### **Standards**

**Impact of Professional Practice Standards on Liability of Engineers,** David J. Hatem, ME July 89 p249-256.

#### **Strategic planning**

**Action Versus Planning,** C. R. Pennoni, ME Apr. 89 p176-180.

**Business Planning for New Engineering Consulting Firms,** S. M. Fenske and T. E. Fenske, ME Jan. 89 p89-95.

**Managing to be Profitable in Design Business: A Case Study,** Gerald Roenker and Melville Hensey, ME Jan. 89 p53-66.

**Technology and Strategic Management in Construction,** Karen Lee Hansen and C. B. Tatum, ME Jan. 89 p67-83.

#### **Students**

**Finding and Keeping Technical Experts in the 1990s,** Betty M. Vetter, ME Jan. 89 p42-52.

#### **Technology**

**Improving Management of Technology,** Ernest T. Smerdon, ME Oct. 89 p339-350.

**Managing for Increased Design and Construction Innovation,** C. B. Tatum, ME Oct. 89 p385-399.

**Technology and Strategic Management in Construction,** Karen Lee Hansen and C. B. Tatum, ME Jan. 89 p67-83.

#### **Technology transfer**

**Writing Effectively for Professional Journals,** Gail Bales Townsend, ME Jan. 88 p60-64.

#### **Toll roads**

**Meeting the Challenge: Working Together on Transportation Infrastructure,** Henry L. Michel, ME Oct. 89 p359-365.

#### **Tort laws**

**Negotiating and Drafting the Civil Engineering Contract,** Sidney J. Wartel, ME July 89 p272-279.

#### **Training**

**Training Expatriate Engineering Professionals,** J. K. Yates, ME July 89 p257-271.

#### **Transportation**

**Meeting the Challenge: Working Together on Transportation Infrastructure,** Henry L. Michel, ME Oct. 89 p359-365.

#### **Transportation system financing**

**Meeting the Challenge: Working Together on Transportation Infrastructure,** Henry L. Michel, ME Oct. 89 p359-365.

#### **Transportation systems**

**Meeting the Challenge: Working Together on Transportation Infrastructure,** Henry L. Michel, ME Oct. 89 p359-365.

#### **Uncertainty analysis**

**Restructuring Organizations: Alternatives and Costs,** Michael C. Ircha and James M. Tolliver, ME Apr. 89 p164-175.

#### **Urban transportation**

**Meeting the Challenge: Working Together on Transportation Infrastructure,** Henry L. Michel, ME Oct. 89 p359-365.

#### **Value engineering**

**What is an "Ethical" Engineer?** Darrow Kirkpatrick, ME Oct. 89 p367-370.

#### **Water resources development**

**Private Sector Risk Analysis: Applied to Dam Safety,** Catalino B. Cecilio, ME10-89 p379-384.

#### **Writing**

**Writing Effectively for Professional Journals,** Gail Bales Townsend, ME Jan. 88 p60-64.

## AUTHOR INDEX

- Ahmad, Irtishad**  
see Minkarah, Issam, ME Apr. 89, p155-163
- Austin, Jeffrey S.**  
see White, Charles R., ME Oct. 89, p371-378
- Berzina, William E.**  
Information Systems and the Economics of Engineering Services, ME Jan. 89, p32-41
- Boemer, Lois E.**  
Road to Successful Sales—A Three-Step Process, ME Oct. 89, p351-358
- Campfield, James J. Proj. Engr. City of Lansing, 732 City Hall, Lansing, MI 48933, (disc), ME Jan. 89, p101-102**  
see Hall, G. R., (disc), ME Jan. 89, p101
- Campfield, James J.**  
see Randolph, Dennis A., ME Oct. 87, p314-324
- Cecilio, Catalino B.**  
Private Sector Risk Analysis: Applied to Dam Safety, ME10-89, p379-384
- Costello, Robert L.**  
Ensuring Your Project Managers' 'Buy-In' to Your Project Management System, ME Jan. 89, p23-31
- Downey, Laura A.**  
see Kenny, Graham K., ME Oct. 87, p297-302
- Dudziak, William**  
Simulation Game for Contract Negotiations, ME Apr. 88, p113-121  
disc: R. A. McKim and A. J. Christian, ME Oct. 89, p419-420
- Escobar, Guillermo**  
see Karaa, Fadi A., ME Oct. 89, p400-416
- Fenske, S. M.**  
Business Planning for New Engineering Consulting Firms, with T. E. Fenske, ME Jan. 89, p89-95
- Fenske, T. E.**  
see Fenske, S. M., ME Jan. 89, p89-95
- Hall, G. R.**  
disc. (of Using Risk Management Techniques to Control Contract Costs, by Dennis A. Randolph, Kunwar Rajendra and James J. Campfield, ME Oct. 87, p314-324), ME Jan. 89, p101
- Hansen, Karen Lee**  
Technology and Strategic Management in Construction, with C. B. Tatum, ME Jan. 89, p67-83
- Hatem, David J.**  
Impact of Professional Practice Standards on Liability of Engineers, ME July 89, p249-256
- Hendrickson, Chris**  
see Dudziak, William, ME Apr. 88, p113-121
- Hendrickson, Chris A.M. Prof. Dept. of Civ. Engrg., Carnegie Mellon Univ., Pittsburgh, PA 15213**  
see McKim, R. A., (disc), ME Oct. 89, p419-420
- Heney, Melville**  
see Roenker, Gerald, ME Jan. 89, p53-66
- Howland, James C.**  
disc. (of Coping with the Marketplace: A Management Balancing Act, by William E. Norris, ME July 87, p194-200), ME Jan. 89, p99
- Hrbar, John P.**  
Consultant Costs on Government Contracts, ME Jan. 86, p10-16
- Ircha, Michael C.**  
Restructuring Organizations: Alternatives and Costs, with James M. Tolliver, ME Apr. 89, p164-175
- Karaa, Fadi A.**  
Operations Management in Engineering Office, with Ali Touran, Robert L. Meserve and Guillermo Escobar, ME Oct. 89, p400-416
- Kenny, Graham K.**  
Power, Politics, and Process of Decision Making, with Laura A. Downey, ME Oct. 87, p297-302
- Kirkpatrick, Darrow**  
What is an "Ethical" Engineer?, ME Oct. 89, p367-370
- Kroeger, Lin**  
see Richard, Diane L., ME Apr. 89, p186-191
- Lam, Yow Thim**  
Microcomputer Applications in Simulated CE Project, with Sook Foong Yap, ME July 89, p280-285
- McKim, R. A.**  
disc. (of Simulation Game for Contract Negotiations, by William Dudziak and Chris Hendrickson, ME Apr. 88, p113-121) with A. J. Christian, ME Oct. 89, p419-420
- Maloney, William F.**  
Organizational Culture: Implications for Management, ME Apr. 89, p125-138
- Mar, Brian W.**  
see Palmer, Richard N., ME July 89, p286-300
- Martin, Donald D.**  
Motivation and the Developing Engineering Manager, ME Oct. 86, p246-252
- Mather, Bryant**  
disc. (of Writing Effectively for Professional Journals, by Gail Bales Townsend, ME Jan. 88, p60-64), ME Apr. 89, p205
- Merino, Donald N.**  
Predesign Planning for Parking Facilities, ME July 89, p301-313
- Meserve, Robert L.**  
see Karaa, Fadi A., ME Oct. 89, p400-416
- Michel, Henry L.**  
Meeting the Challenge: Working Together on Transportation Infrastructure, ME Oct. 89, p359-365  
Our Most Important Resource: People, ME July 89, p223-227

**Minkarah, Issam**

Expert Systems as Construction Management Tools, with Irtishad Ahmad, ME Apr. 89, p155-163

**Morrison, Peggy**

Managing Change in the Midst of Economic Uncertainty, ME Apr. 89, p192-202

**Norris, William E.**

Coping with the Marketplace: A Management Balancing Act, ME July 87, p194-200  
disc: James C. Howland, ME Jan. 89, p99  
clo: ME Jan. 89, p100

**Palmer, Richard N.**

Automation of Civil Engineers: Some Observations, with Brian W. Mar, ME July 89, p286-300

**Pennoni, C. R.**

Action Versus Planning, ME Apr. 89, p176-180

**Pritchard, David F.**

Pitfalls in Subconsultant and Vendor Contracting for Consulting Engineers, ME July 89, p237-248

**Rajendra, Kunwar Transp. Administrator City of Lansing, 732 City Hall, Lansing, MI 48933, (disc),**  
ME Jan. 89, p101-102

see Hall, G. R., (disc), ME Jan. 89, p101

**Rajendra, Kunwar**

see Randolph, Dennis A., ME Oct. 87, p314-324

**Randolph, Dennis A.**

Using Risk Management Techniques to Control Contract Costs, ME Oct. 87, p314-324  
disc: G. R. Hall, ME Jan. 89, p101  
clo: ME Jan. 89, p101-102

**Richard, Diane L.**

Messages: Clear and Effective, with Lin Kroeger, ME Apr. 89, p186-191

**Roberts, Craig C.**

Intermittent Project Management, ME Jan. 89, p84-88

**Robinson, John H., Jr.**

Managing A Branch Office, ME Jan. 89, p15-22

**Rosenker, Gerald**

Managing to be Profitable in Design Business: A Case Study, with Melville Hensey, ME Jan. 89, p53-66

**Schulte, Bernard H.**

Finding Qualified People in a Tight Labor Market, ME Apr. 89, p181-185

**Smerdon, Ernest T.**

Improving Management of Technology, ME Oct. 89, p339-350

**Tatum, C. B.**

Management Challenges of Integrating Construction Methods and Design Approaches, ME Apr. 89, p139-154  
Managing for Increased Design and Construction Innovation, ME Oct. 89, p385-399  
see Hansen, Karen Lee, ME Jan. 89, p67-83

**Tolliver, James M.**

see Ircha, Michael C., ME Apr. 89, p164-175

**Tourea, Ali**

see Karaa, Fadi A., ME Oct. 89, p400-416

**Townsend, Gail Bales**

Writing Effectively for Professional Journals, ME Jan. 88, p60-64  
disc: Bryant Mather, ME Apr. 89, p205

**Udwadia, Firdaus E.**

Super Image-Management: Growing Concern for Productivity Decline, ME July 89, p228-236

**Vetter, Betty M.**

Finding and Keeping Technical Experts in the 1990s, ME Jan. 89, p42-52

**Wartel, Sidney J.**

Negotiating and Drafting the Civil Engineering Contract, ME July 89, p272-279

**White, Charles R.**

Productivity Measurement: Untangling White-Collar Web, with Jeffrey S. Austin, ME Oct. 89, p371-378

**Yap, Sook Foong**

see Lam, Yow Thim, ME July 89, p280-285

**Yates, J. K.**

Training Expatriate Engineering Professionals, ME July 89, p257-271



